Docket No.: MSFT-1796/303920.01

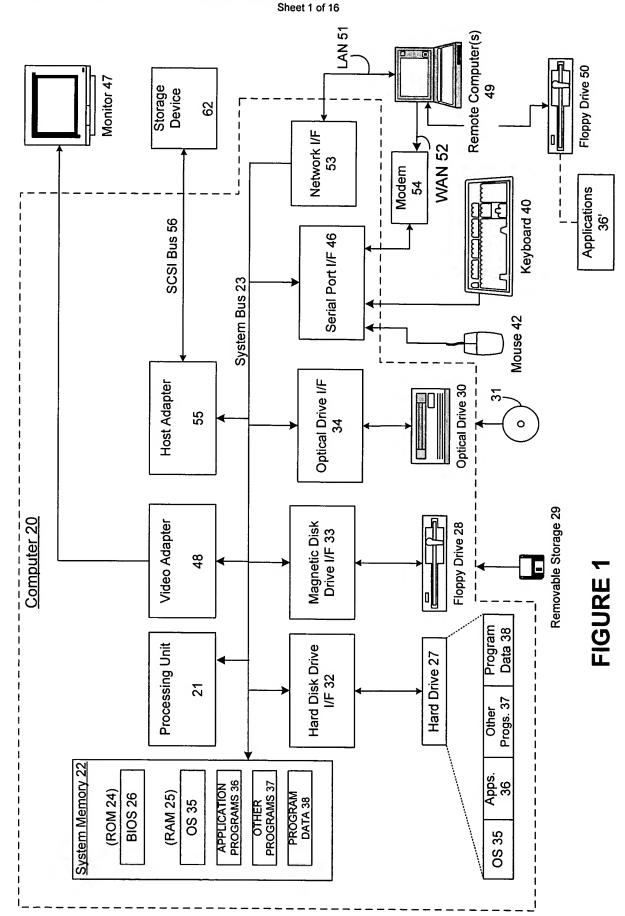
Docket No.: MSFT-1796/303920.01 App. No.: Not Yet Assigned Filed: Herewith

Title: SYSTEMS AND METHODS FOR TRANSFORMING DATA IN BUFFER MEMORY WITHOUT UNNECESSARILY
COPYING DATA TO ADDITIONAL MEMORY LOCATIONS

Inventors: Michael A. Blaszczak

Attorney: Richard W. Knight

Phone: (215) 568-3100



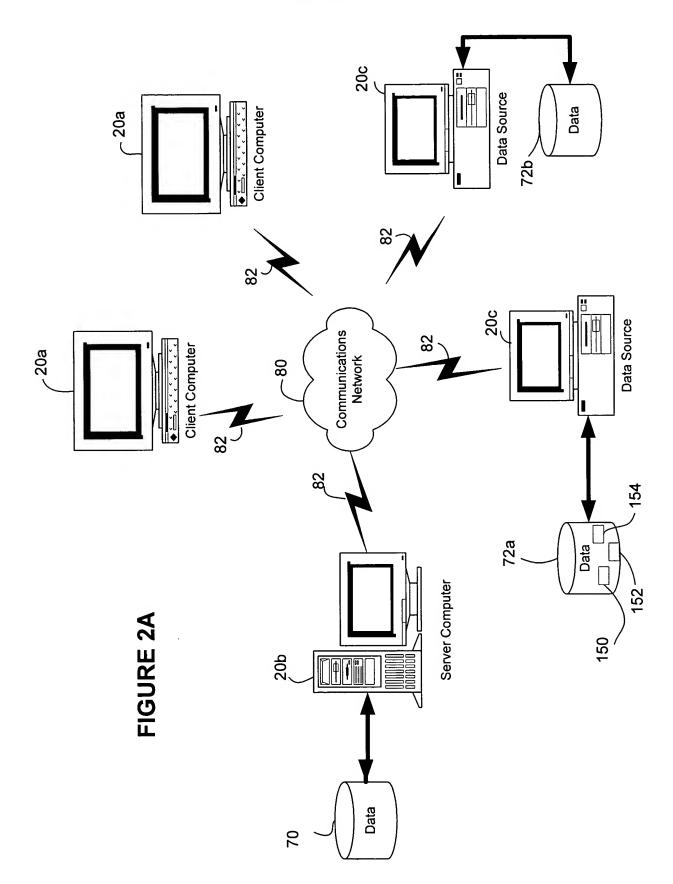
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Inventors: Michael A. Blaszczak

Attorney: Richard W. Knight

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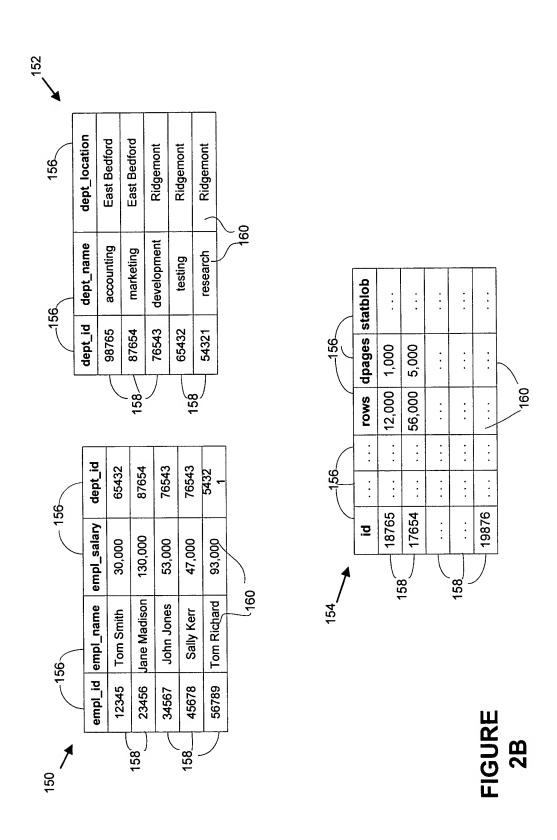
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Attorney: Richard W. Knight

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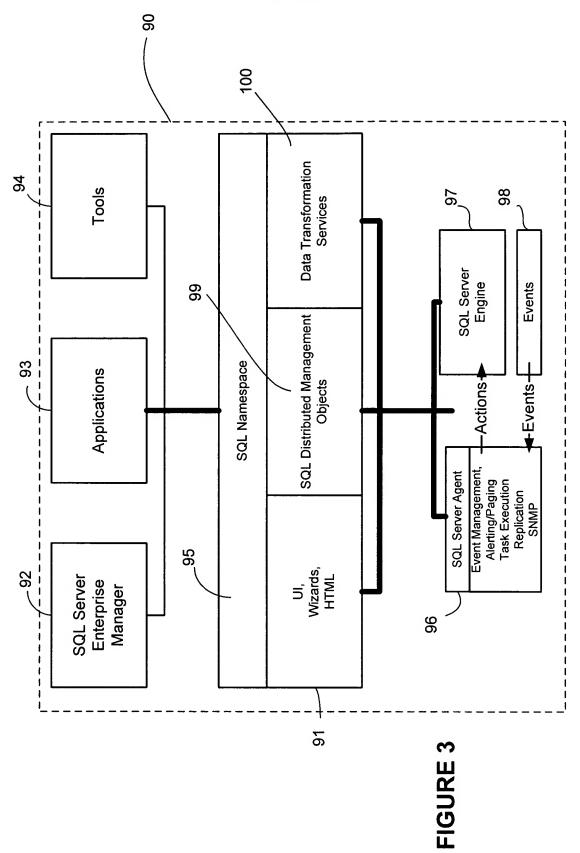
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Inventors: Michael A Piggarant

Inventors: Michael A. Blaszczak Attorney: Richard W. Knight Phone: (215) 568-3100

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Inventors: Michael A. Blaszczak

Phone: (215) 568-3100 Attorney: Richard W. Knight Sheet 5 of 16

> Database Application 5 20b Data Database Application 3 Database Application 4 Data Data Database Application 2 Database Application 1 Data Data

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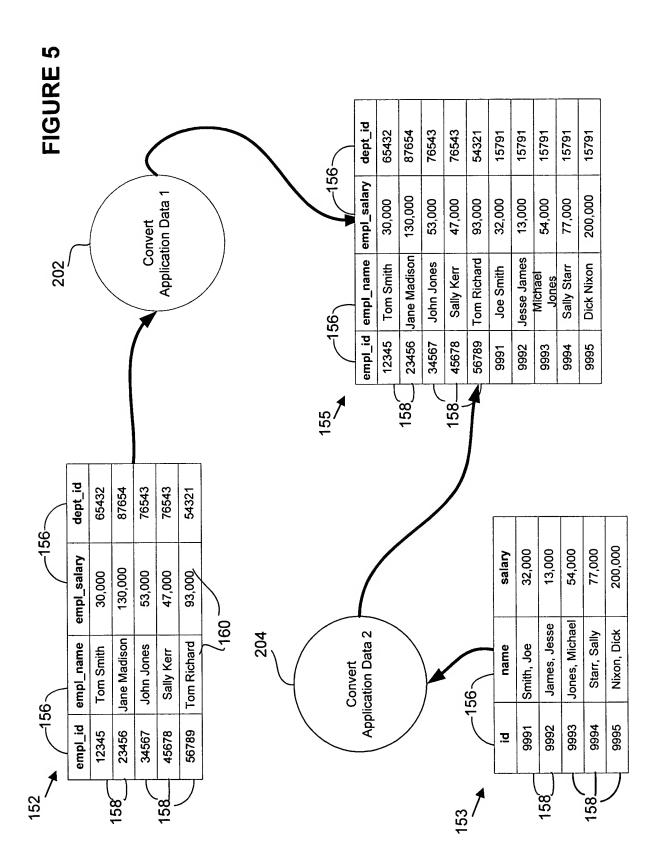
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Attorney: Richard W. Knight

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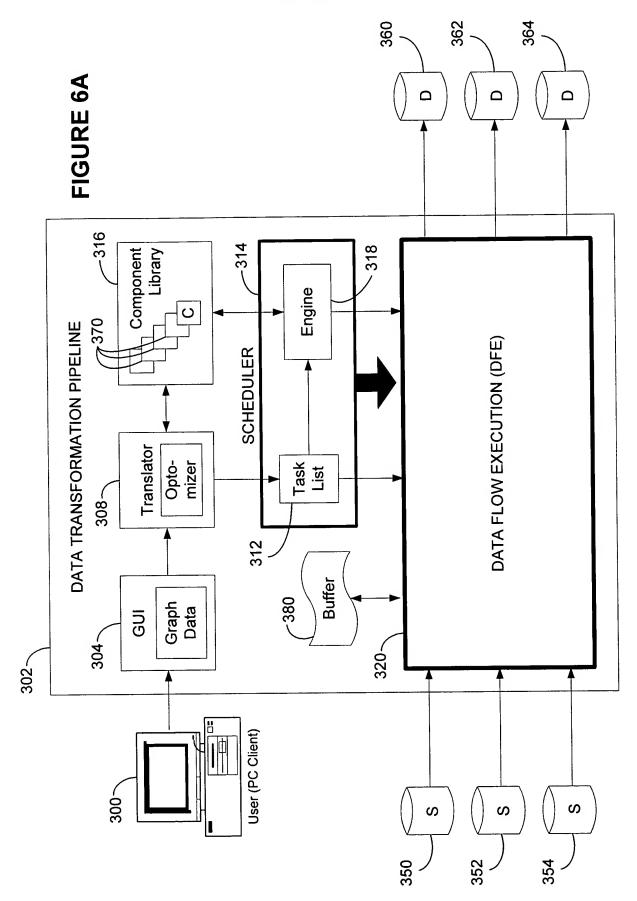
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Inventors: Michael A. Blaszczak

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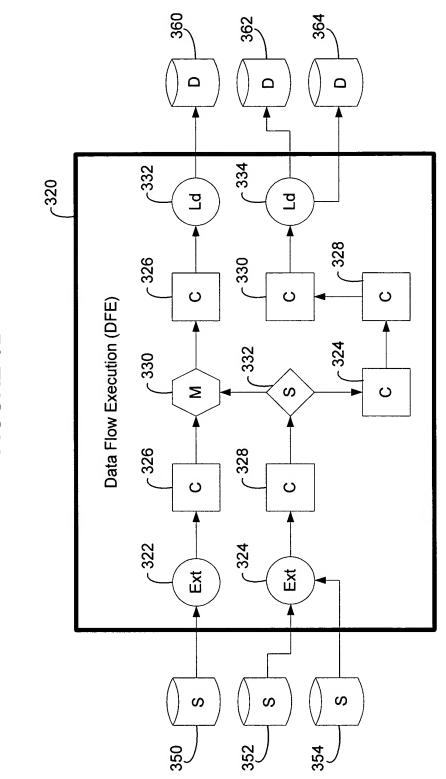


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Inventors: Michael A. Plantonsky

Inventors: Michael A. Blaszczak

Attorney: Richard W. Knight Phone: (215) 568-3100

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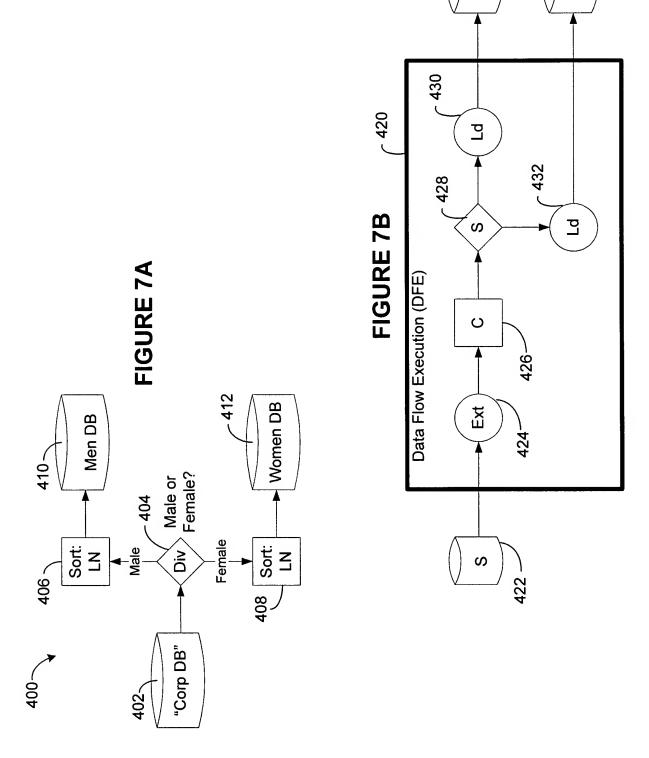


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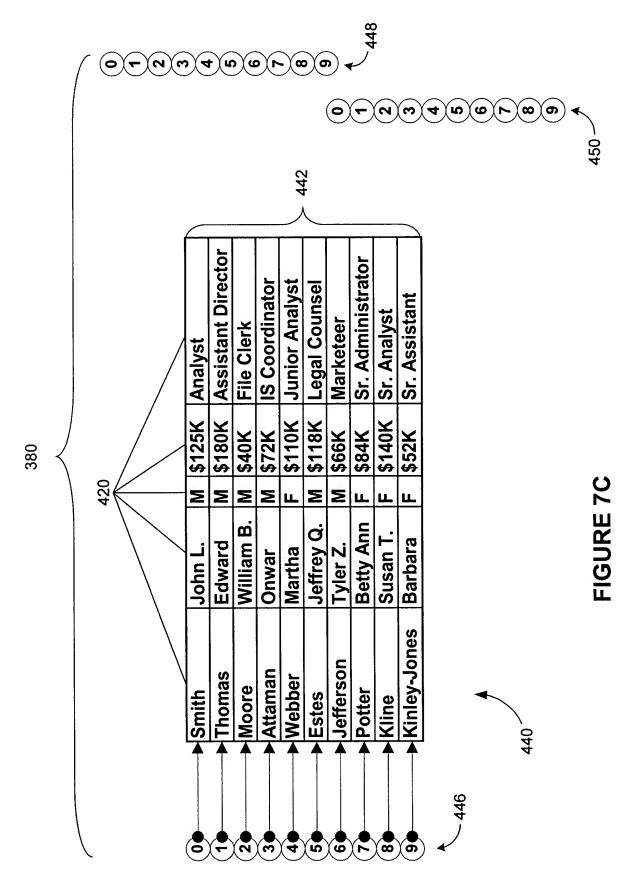
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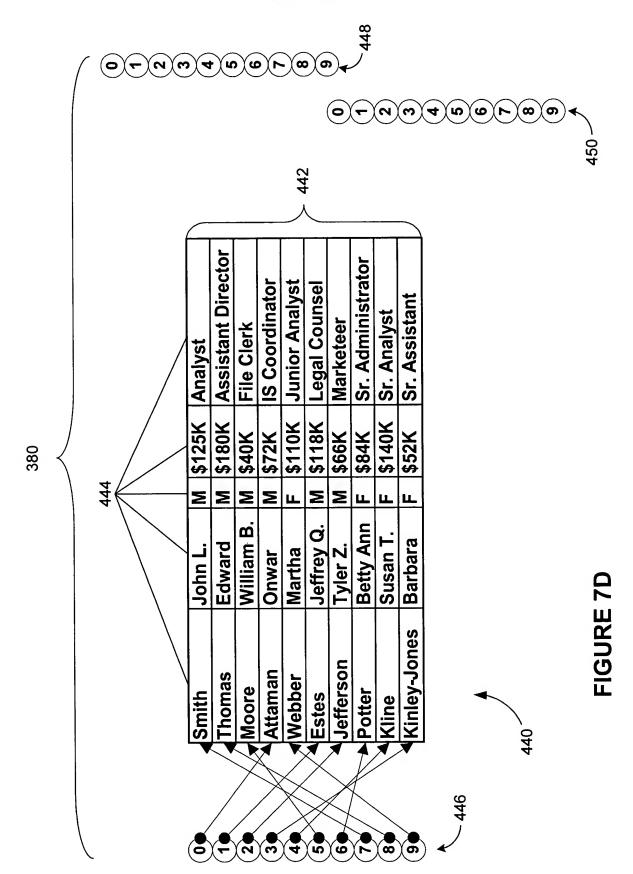
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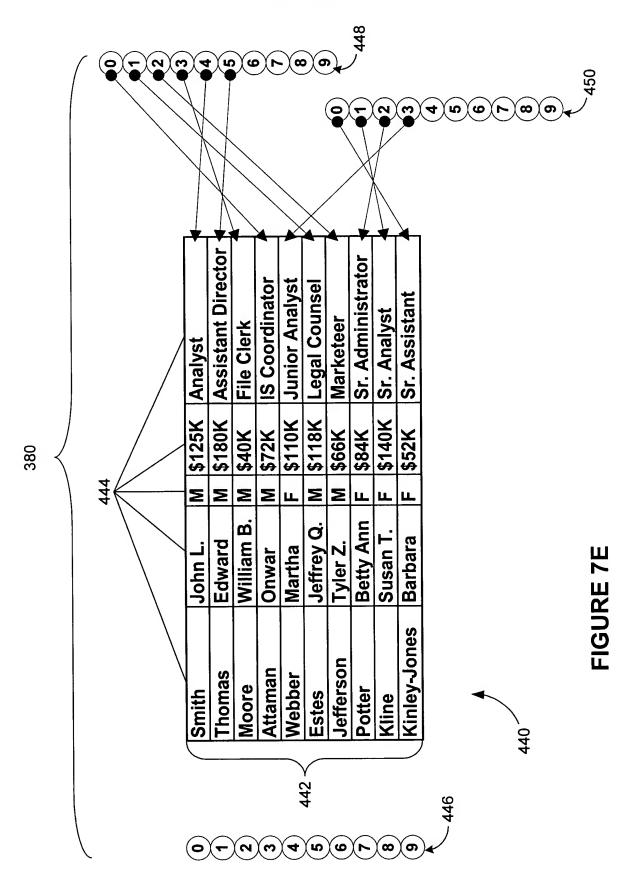
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Inventors: Michael A. Blaszczak Attorney: Richard W. Knight Phone: (215) 568-3100

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Column Name	Column Type
Customer Name	varchar(80)
Phone Number	char(10)
Address	varchar(80)

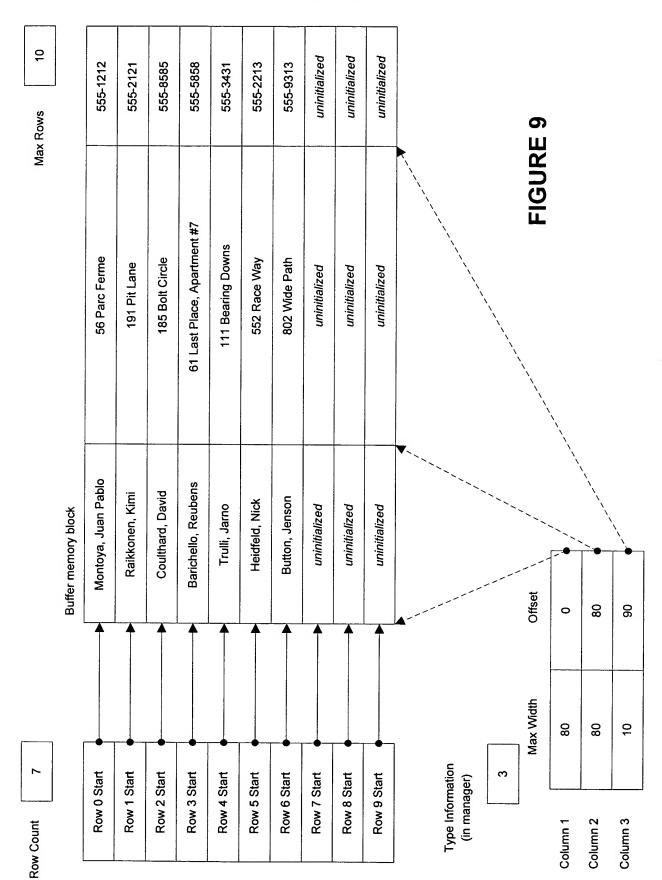
Column Name	Offset
Customer Name	0
Phone Number	08
Address	06

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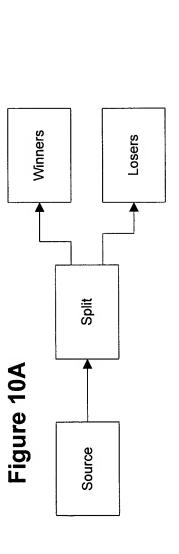
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Attorney: Richard W. Knight Phone: (215) 568-3100 Phone: (215) 568-3100

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Visible at	Visible at	Visible at
Source Output	Winners Output	Losers Output
Tonya Harding		Tonya Harding
Tara Lapinski	Tara Lapinski	
Mohammed Ali	Mohammed Ali	
Joe Frazier	Joe Frazier	
Mike Tyson		Mike Tyson
Michael Schumacher		Michael Schumacher
Juan Pablo Montoya	Juan Pablo Montoya	

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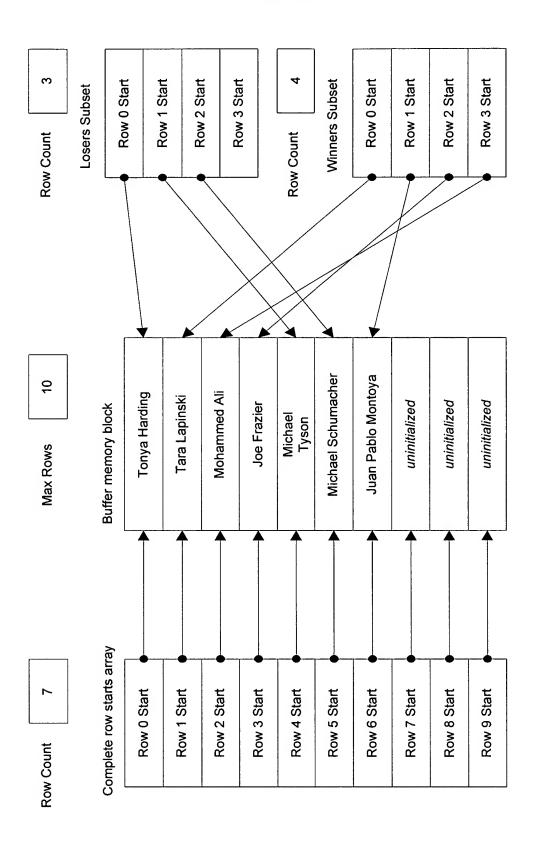


FIGURE 10C